Title (en)

ROTATING SURFACE OF REVOLUTION REACTOR WITH FEED AND COLLECTION MECHANISMS

Title (de)

ROTIERENDE OBERFLÄCHE EINES ROTATIONSREAKTORS MIT ZUFÜHRUNGS- UND SAMMELMECHANISMUS

Title (fr)

SURFACE PIVOTANTE D'UN REACTEUR A REVOLUTION AVEC DES MECANISMES D'ALIMENTATION ET DE COLLECTE

Publication

EP 1156875 A1 20011128 (EN)

Application

EP 00905157 A 20000217

Priority

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- GB 9903474 A 19990217

Abstract (en)

[origin: WO0048732A1] A reactor including a rotatable disc (3) having first (5, 19) and second (20, 30) surfaces. Reactant (15) is supplied to the first surface (5, 19) by way of a feed (4), the disc (3) is rotated at high speed, and the reactant (15) forms a film (17) on the surface (5, 19). As the reactant (15) traverses the surface (5, 19) of the disc (3), it undergoes chemical or physical processes before being thrown from the periphery of the disc (3) into collector means (7). Means for supplying a heat transfer fluid (35) to the second surface (20, 30) are also provided so as to allow the first surface (5, 19) and hence the reactant (15) to be cooled or heated.

IPC 1-7

B01J 19/18; B01J 19/12

IPC 8 full level

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CPC (source: EP US)

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